

COMPUTER SCIENCE (PH.D.)

Overview

Computer scientists study the fundamental components of computation; develop computational applications, systems, and models; and evaluate the impact of such computational systems within society. Researchers in computer science develop groundbreaking theories, devise novel algorithms, and design innovative systems and models that advance our understanding of computer science, bringing positive change to hundreds of millions of lives on this planet.

Computing technology is pervasive and expanding rapidly. The explosive growth of data and computational power has led to a new artificial intelligence and data science revolution affecting every aspect of modern life. Concurrently, cybersecurity has been declared a critical component of the Department of Homeland Security's mission due to its importance to both the public and private sectors. The Department of Computer and Information Sciences at Fordham University offers the Ph.D. program in computer science to help meet these challenges by educating and developing the next generation of researchers, faculty, and industry leaders who will push the frontiers of computational research and innovation.